

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 150381/KB	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/CZ2004/000050	International filing date (day/month/year) 24/08/2004	(Earliest) Priority Date (day/month/year) 26/08/2003
Applicant PLIVA-LACHEMA A.S.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/CZ2004/000050

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D491/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BEILSTEIN Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SAWADA S ET AL: "SYNTHESIS AND ANTITUMOR ACTIVITY OF 20(S)-CAMPTOTHECIN DERIVATIVES: CARBAMATE-LINKED, WATER-SOLUBLE DERIVATIVES OF 7-ETHYL-10-HYDROXYCAMPTOTHECIN" CHEMICAL AND PHARMACEUTICAL BULLETIN, PHARMACEUTICAL SOCIETY OF JAPAN. TOKYO, JP, vol. 39, no. 6, 1 June 1991 (1991-06-01), pages 1446-1454, XP000653715 ISSN: 0009-2363 the whole document	1-5
X	US 6 235 907 B1 (HENEGAR KEVIN E ET AL) 22 May 2001 (2001-05-22) column 22, line 1 - column 23, line 32 ----- -/--	1-5

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

26 November 2004

Date of mailing of the international search report

03/12/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 604 463 A (SUGINO EIICHI ET AL) 5 August 1986 (1986-08-05) example 4	1-4
X	WO 96/31513 A (UPJOHN CO ; HENEGAR KEVIN E (US); SIH JOHN C (US)) 10 October 1996 (1996-10-10) page 31, line 1 - page 32, line 15	1-5

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CZ2004/000050

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6235907	B1	22-05-2001	
		US 6444820 B1	03-09-2002
		AT 224899 T	15-10-2002
		AU 717179 B2	16-03-2000
		AU 5527896 A	23-10-1996
		CA 2214793 A1	10-10-1996
		CN 1434044 A	06-08-2003
		CN 1434043 A	06-08-2003
		CN 1434046 A	06-08-2003
		CN 1434037 A	06-08-2003
		CN 1181083 A ,B	06-05-1998
		CZ 9703110 A3	18-03-1998
		DE 69623960 D1	31-10-2002
		DE 69623960 T2	05-06-2003
		DK 835257 T3	03-02-2003
		EP 0835257 A1	15-04-1998
		ES 2183943 T3	01-04-2003
		HK 1009448 A1	06-06-2003
		HU 9801436 A2	28-10-1998
		IL 117684 A	10-02-2002
		JP 11503156 T	23-03-1999
		NO 974608 A	08-12-1997
		NZ 306664 A	29-11-1999
		PL 322651 A1	16-02-1998
		PL 186564 B1	30-01-2004
		PT 835257 T	31-01-2003
		RU 2164917 C2	10-04-2001
		SI 835257 T1	30-04-2003
		TW 438775 B	07-06-2001
		WO 9631513 A1	10-10-1996
		US 6121451 A	19-09-2000
		ZA 9602747 A	06-04-1998
US 4604463	A	05-08-1986	
		JP 1660064 C	21-04-1992
		JP 3004077 B	22-01-1991
		JP 60019790 A	31-01-1985
		AT 33839 T	15-05-1988
		CA 1235415 A1	19-04-1988
		DE 3470744 D1	01-06-1988
		DE 137145 T1	21-11-1985
		EP 0137145 A1	17-04-1985
		LU 90074 A9	21-08-1997
		NL 980026 I1	02-11-1998
WO 9631513	A	10-10-1996	
		AT 224899 T	15-10-2002
		AU 717179 B2	16-03-2000
		AU 5527896 A	23-10-1996
		CA 2214793 A1	10-10-1996
		CN 1434044 A	06-08-2003
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		CN 1434046 A	06-08-2003
		CN 1434037 A	06-08-2003
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		CZ 9703110 A3	18-03-1998
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		DE 69623960 T2	05-06-2003
		DK 835257 T3	03-02-2003
		EP 0835257 A1	15-04-1998

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		IL 117684 A	10-02-2002
		JP 11503156 T	23-03-1999
		NO 974608 A	08-12-1997
		NZ 306664 A	29-11-1999
		PL 322651 A1	16-02-1998
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		RU 2164917 C2	10-04-2001
		SI 835257 T1	30-04-2003
		TW 438775 B	07-06-2001
		WO 9631513 A1	10-10-1996
		US 6121451 A	19-09-2000
		US 6235907 B1	22-05-2001
		US 6444820 B1	03-09-2002
		ZA 9602747 A	06-04-1998

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